

# ABSTRACT OF THE DISCLOSURE

A lens distortion factor calculating apparatus for subjecting an image picked up by image pick-up means having a lens to lens distortion correction comprises first means for finding, on the basis of two images picked up by the image pick-up means, the coordinates of a plurality of corresponding points between the images, second means for calculating, on the basis of the coordinates of the corresponding points found by the first means, geometric transform factors between the two images, and third means for calculating, on the basis of the coordinates of the corresponding points found by the first means and the geometric transform factors found by the second means, a lens distortion factor.